



6728684

Figure 1

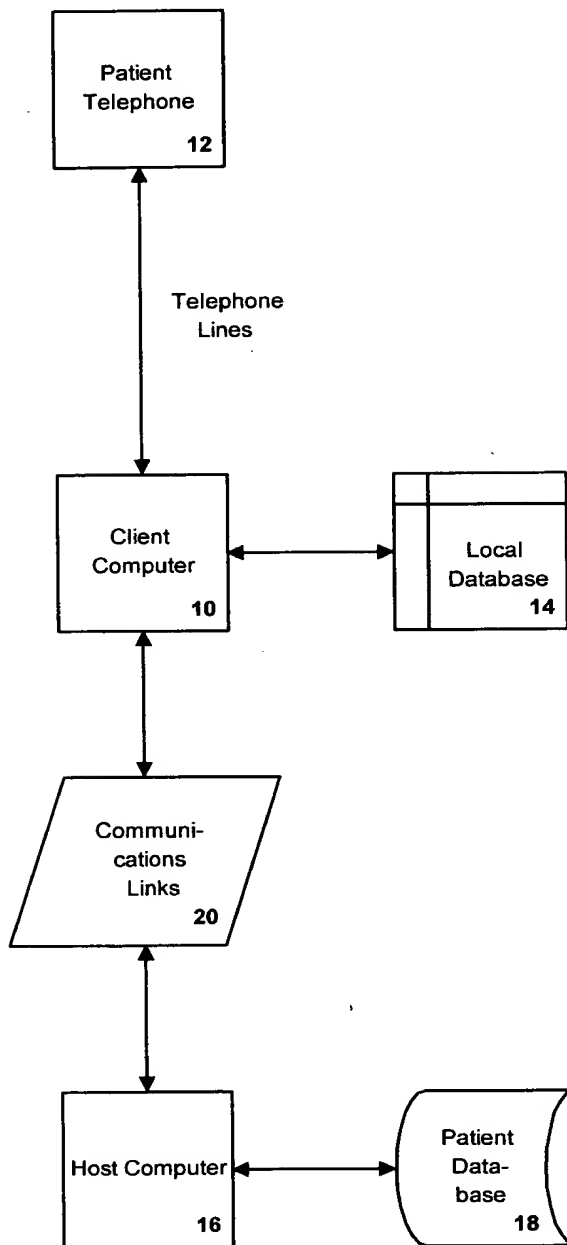


Figure 2

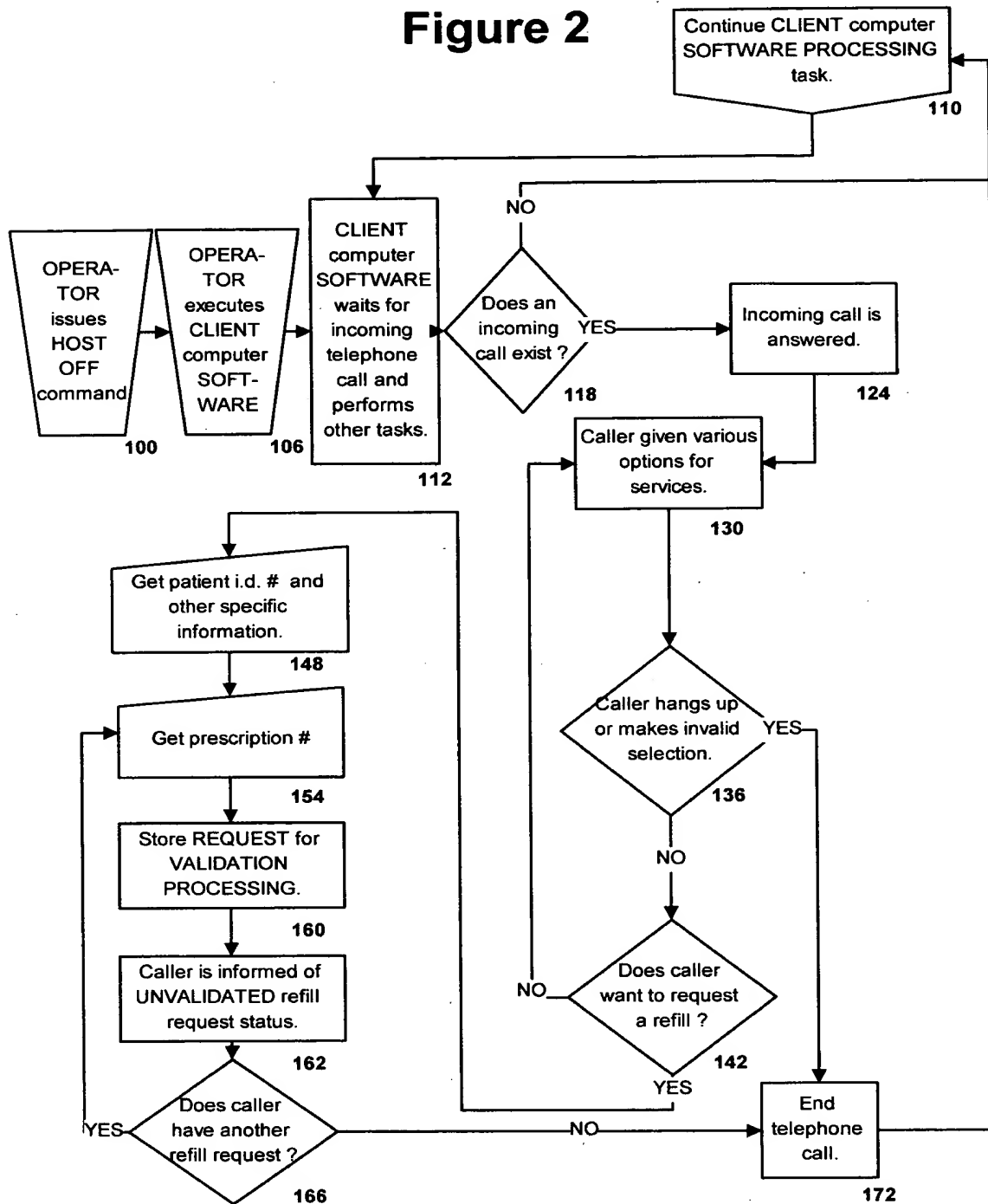


Figure 3a

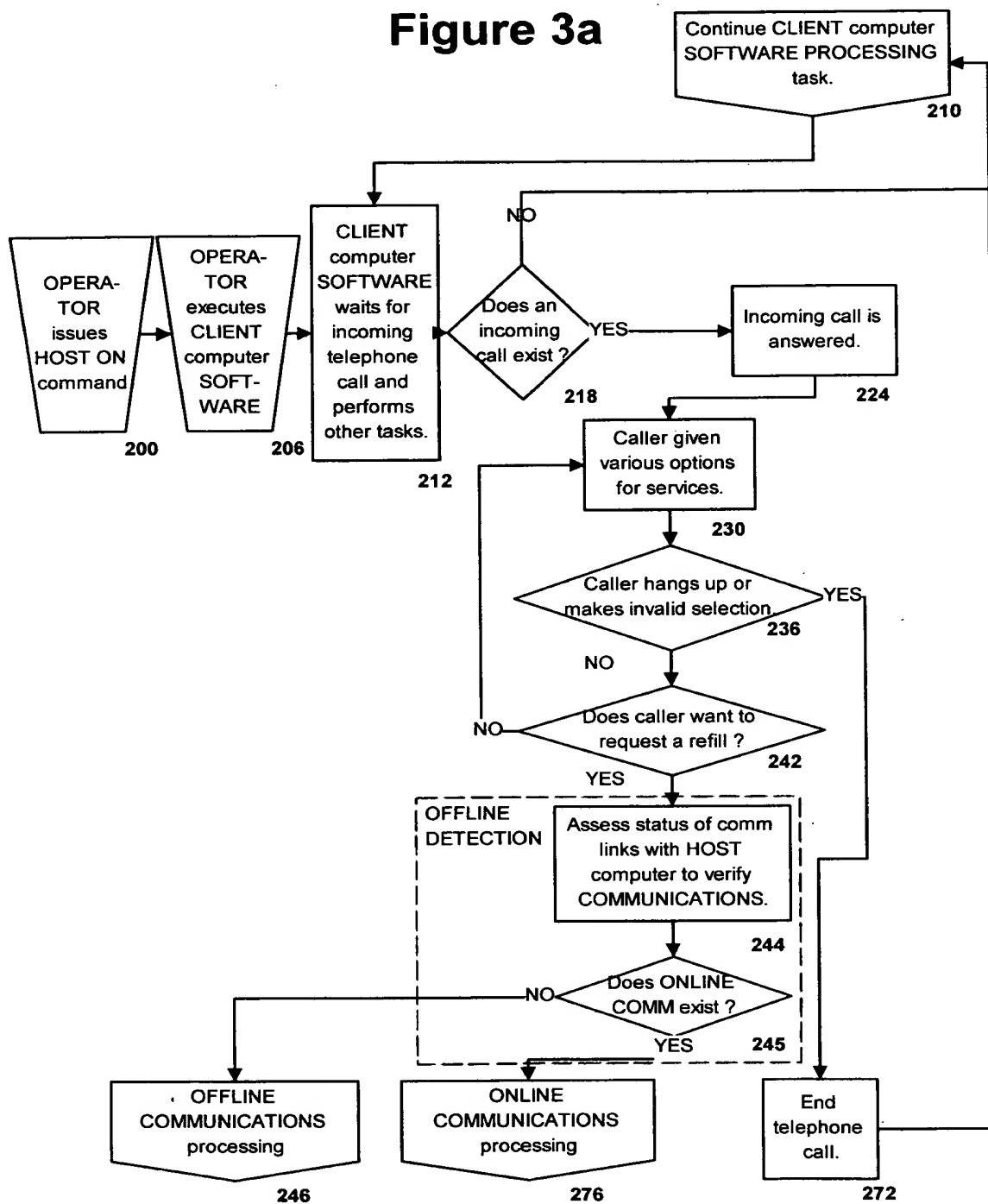


Figure 4

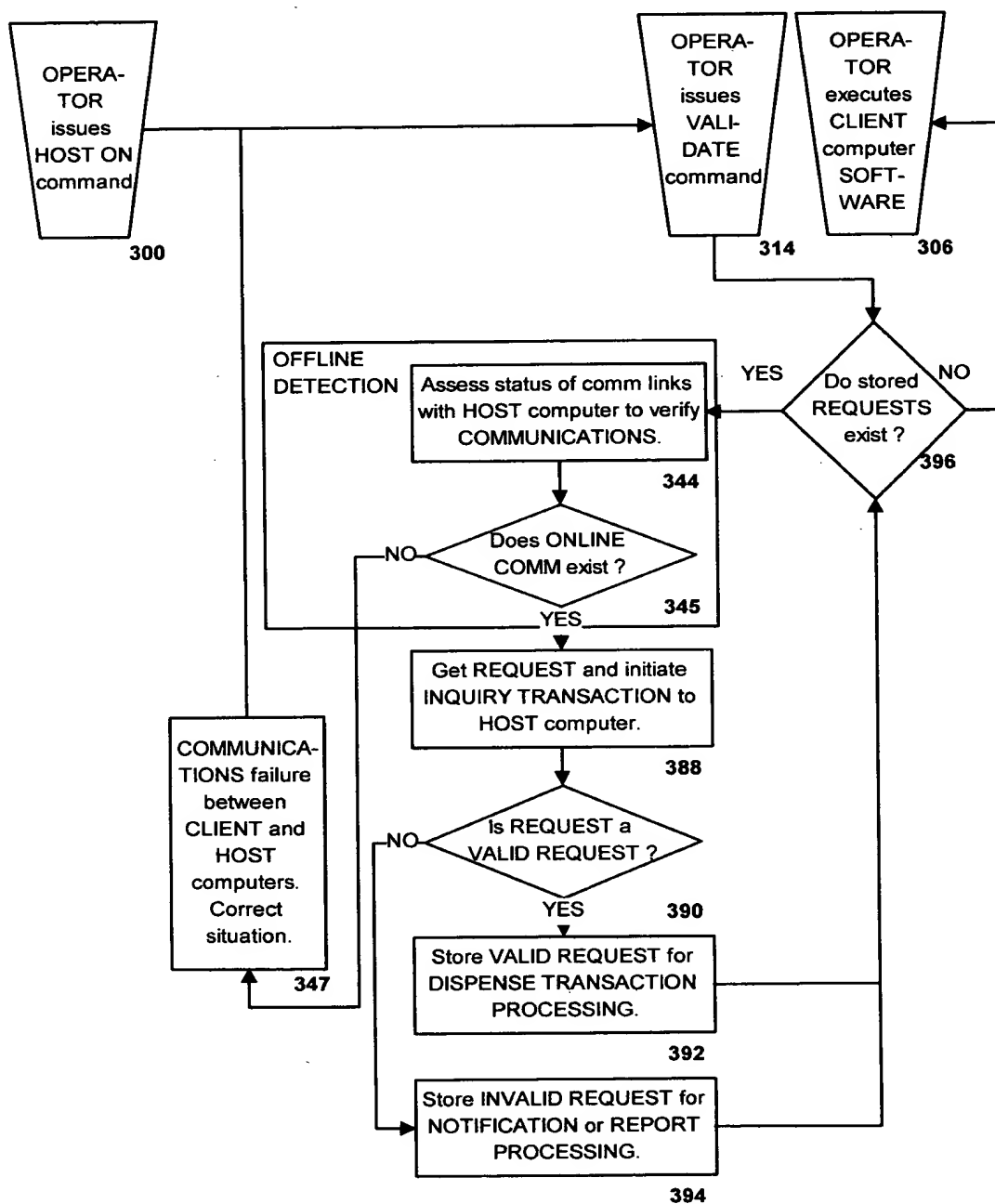


Figure 3b

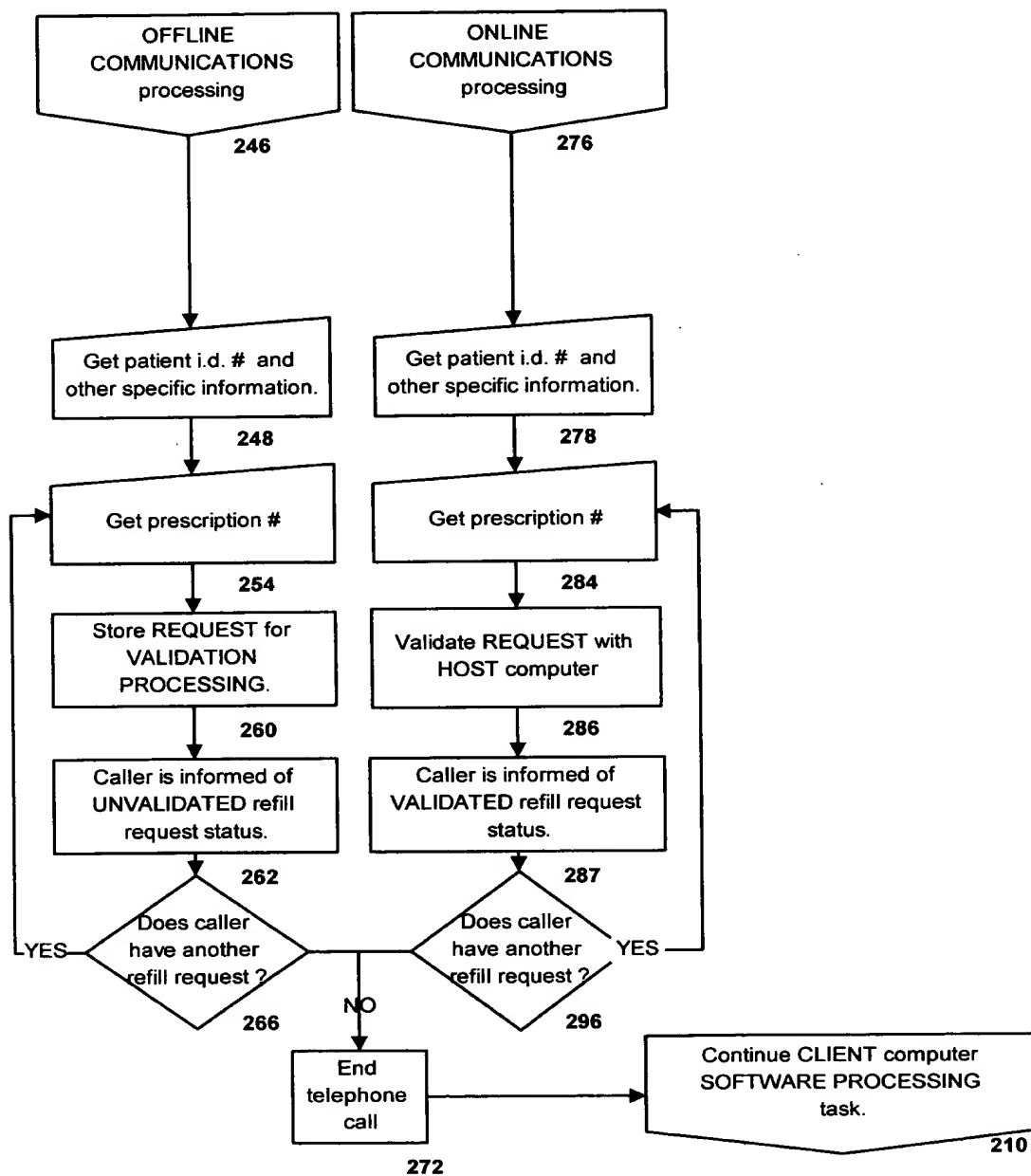


Figure 5a

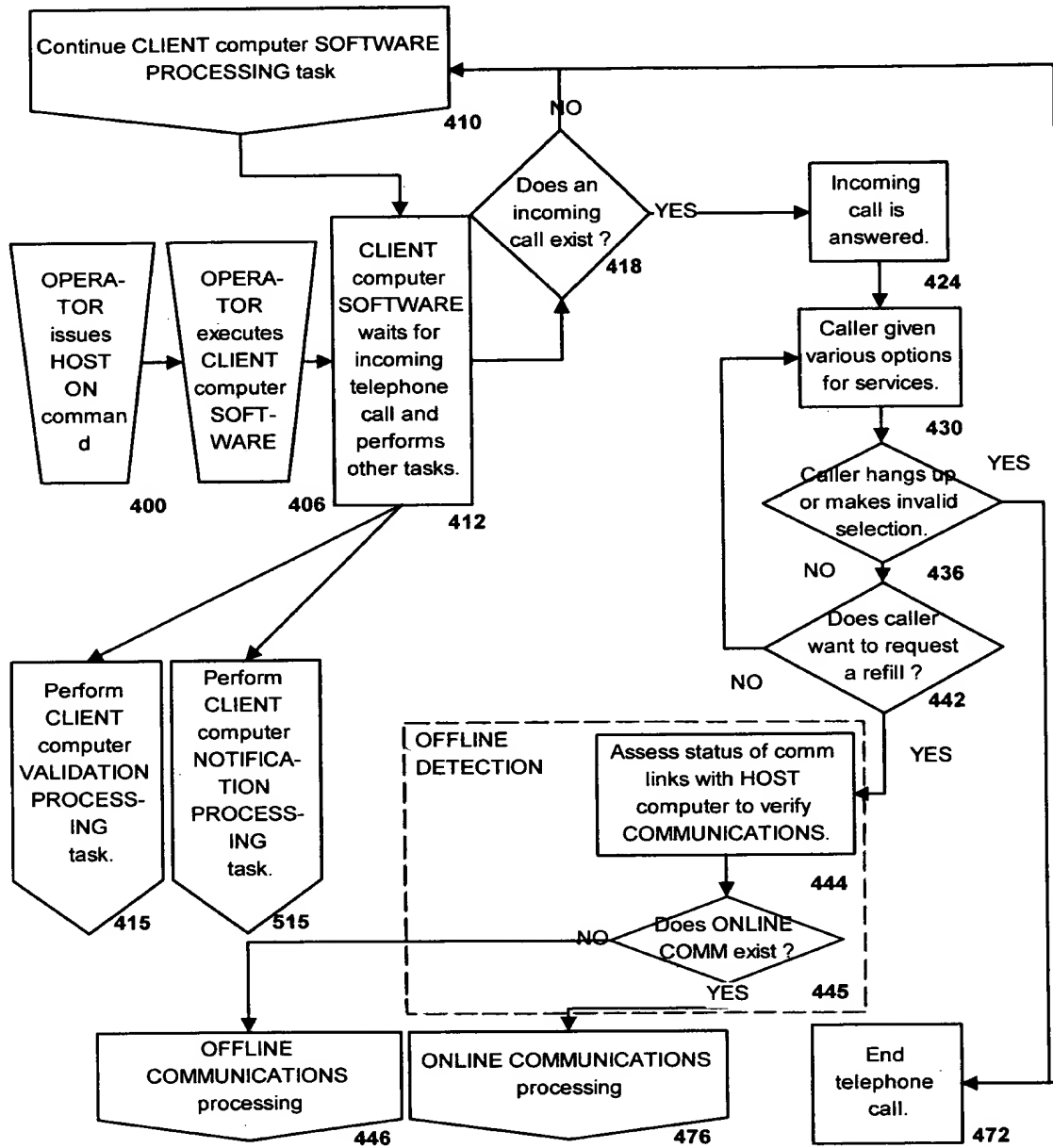


Figure 5b

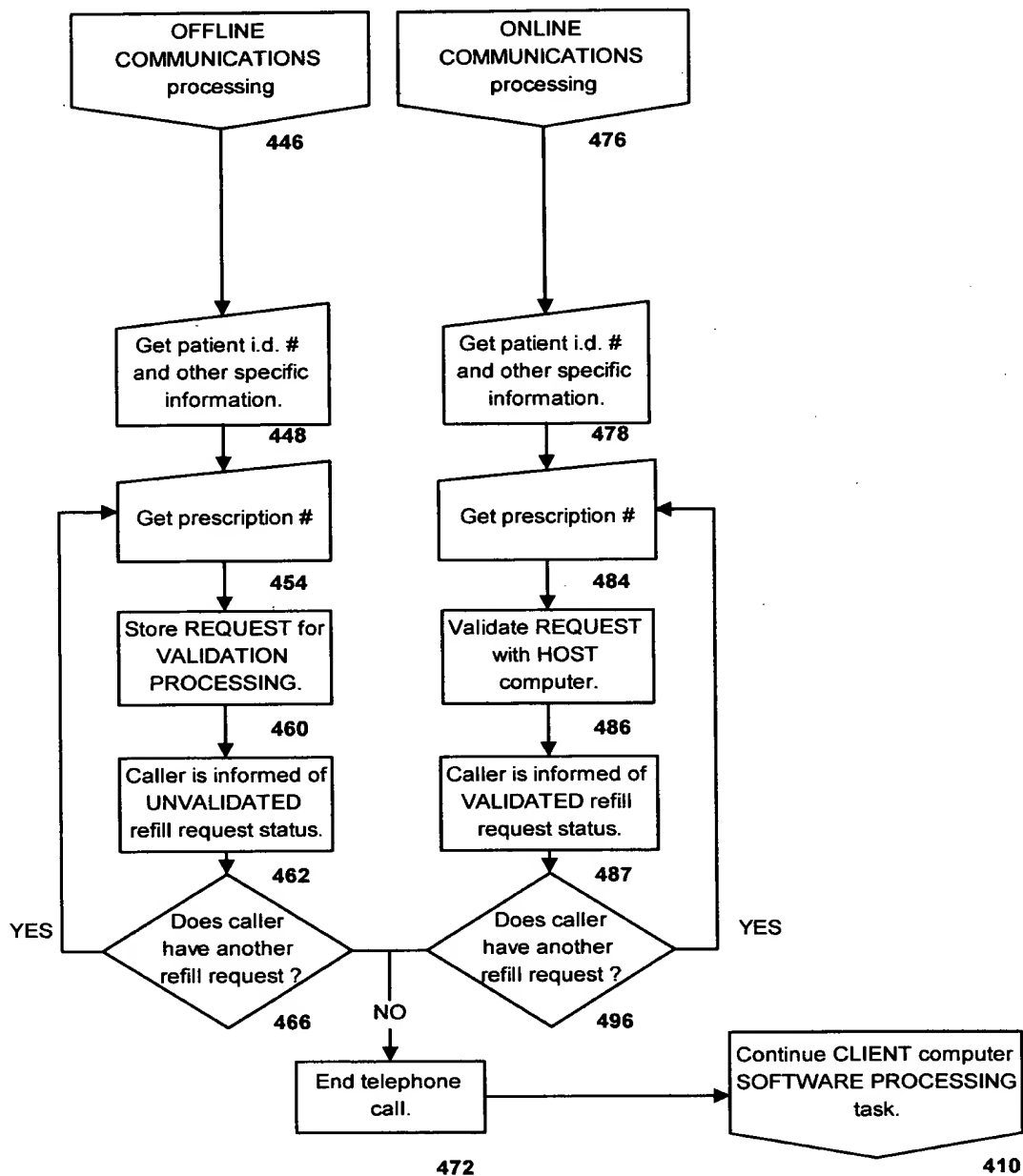




Figure 5c

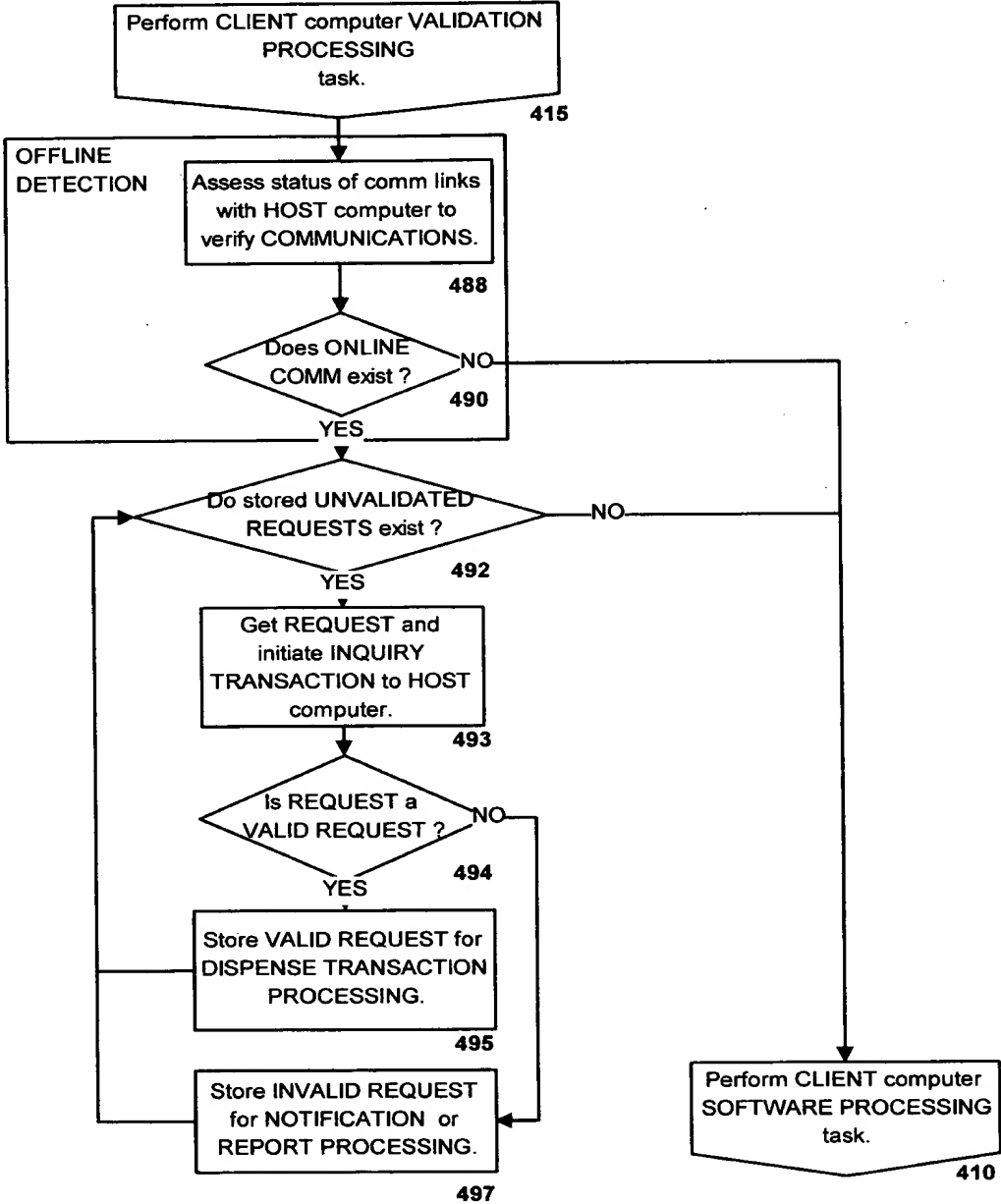
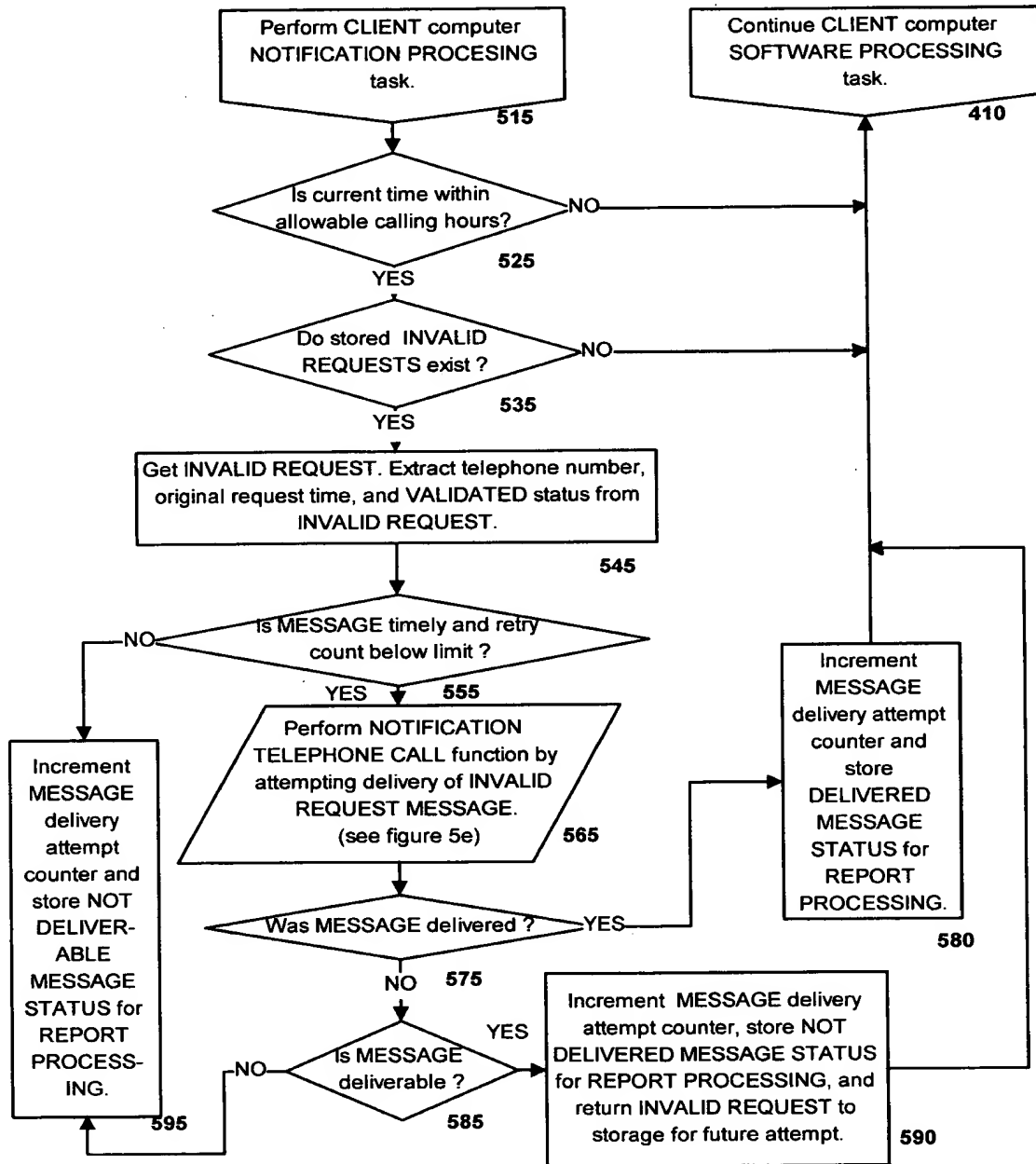




Figure 5d





## Figure 5e

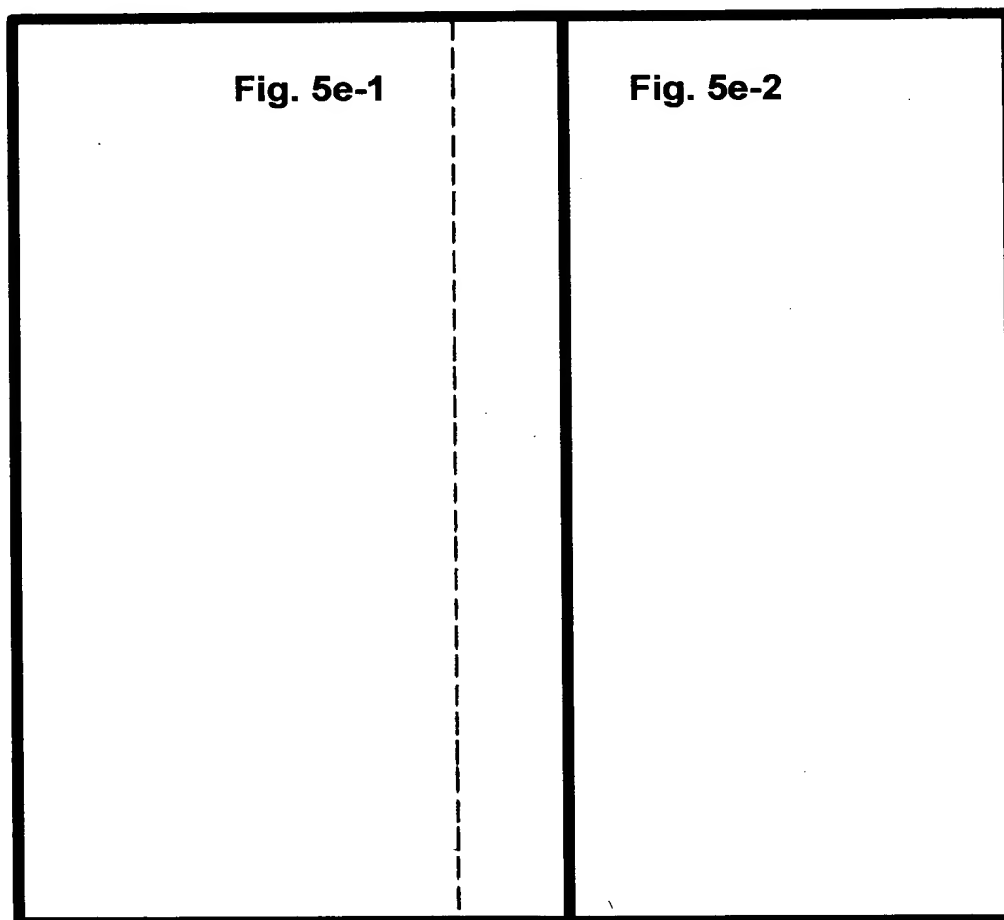


Figure 5e-1

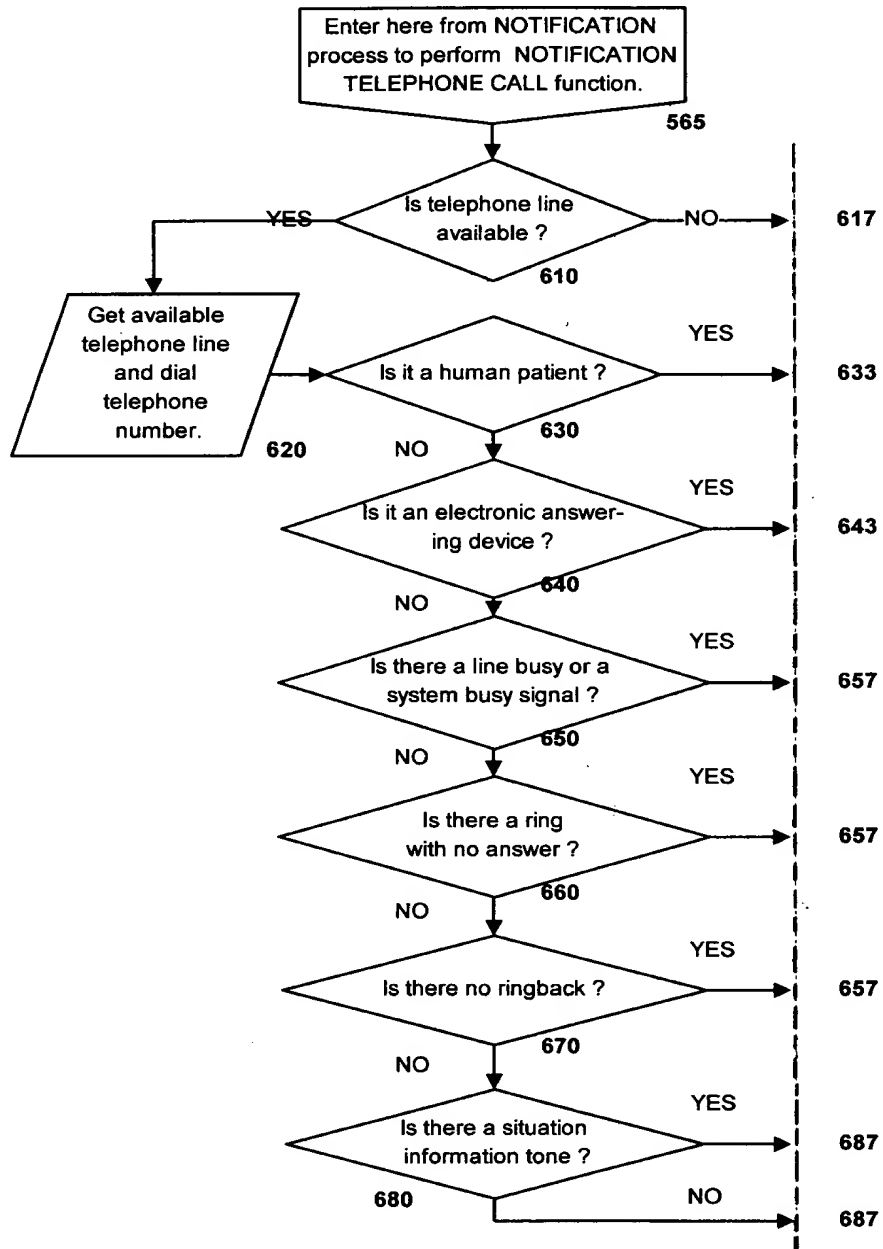
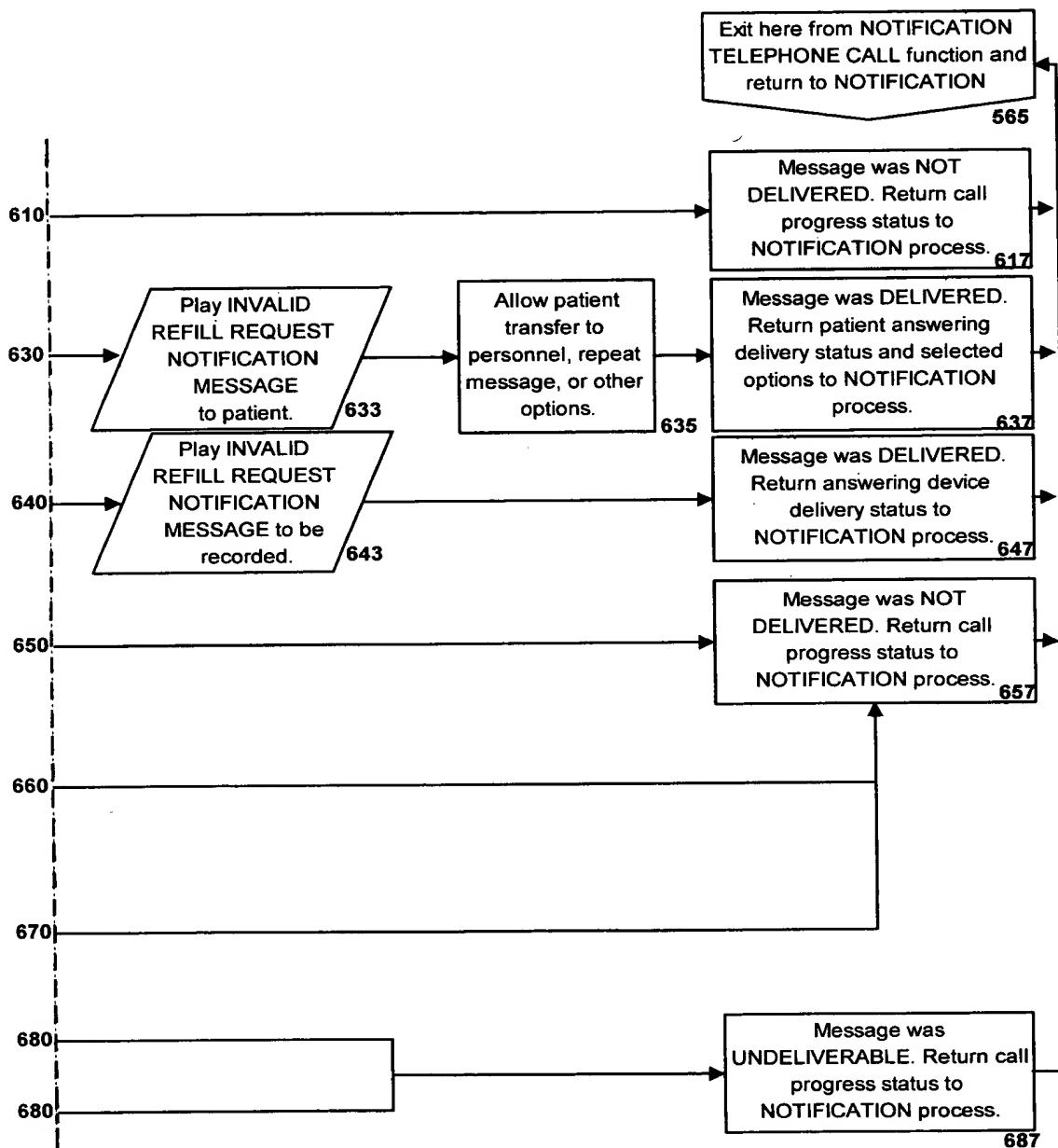
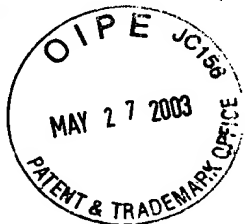


Figure 5e-2





## Figure 6a

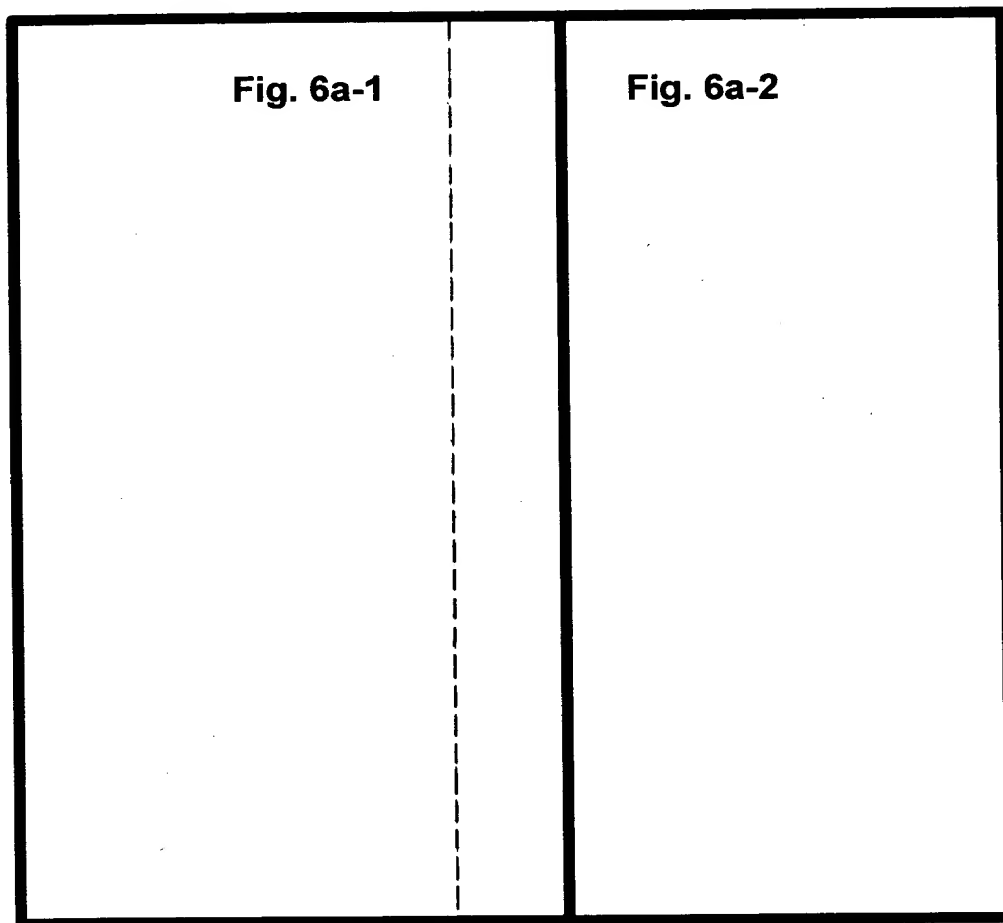


Figure 6a-1

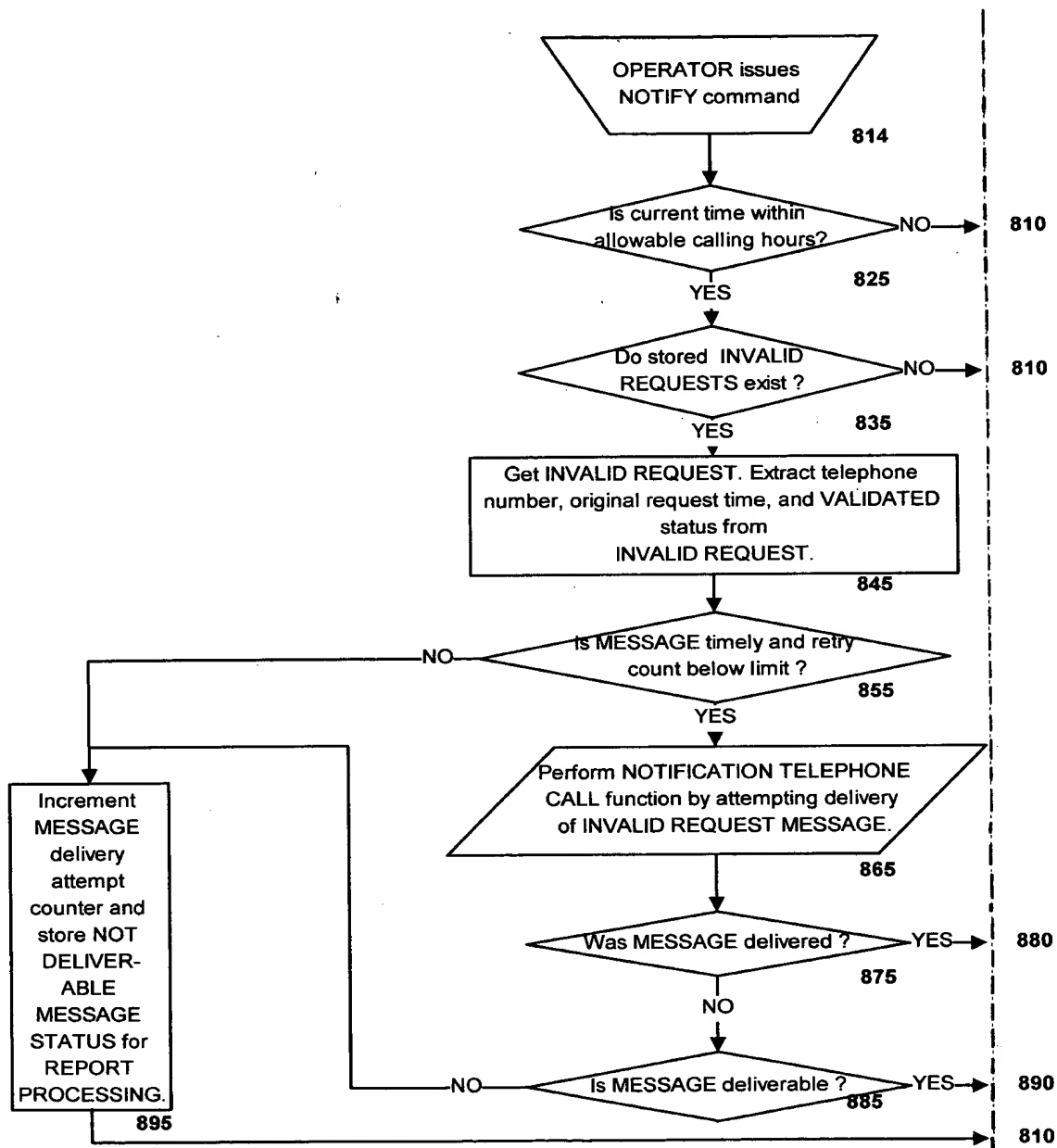
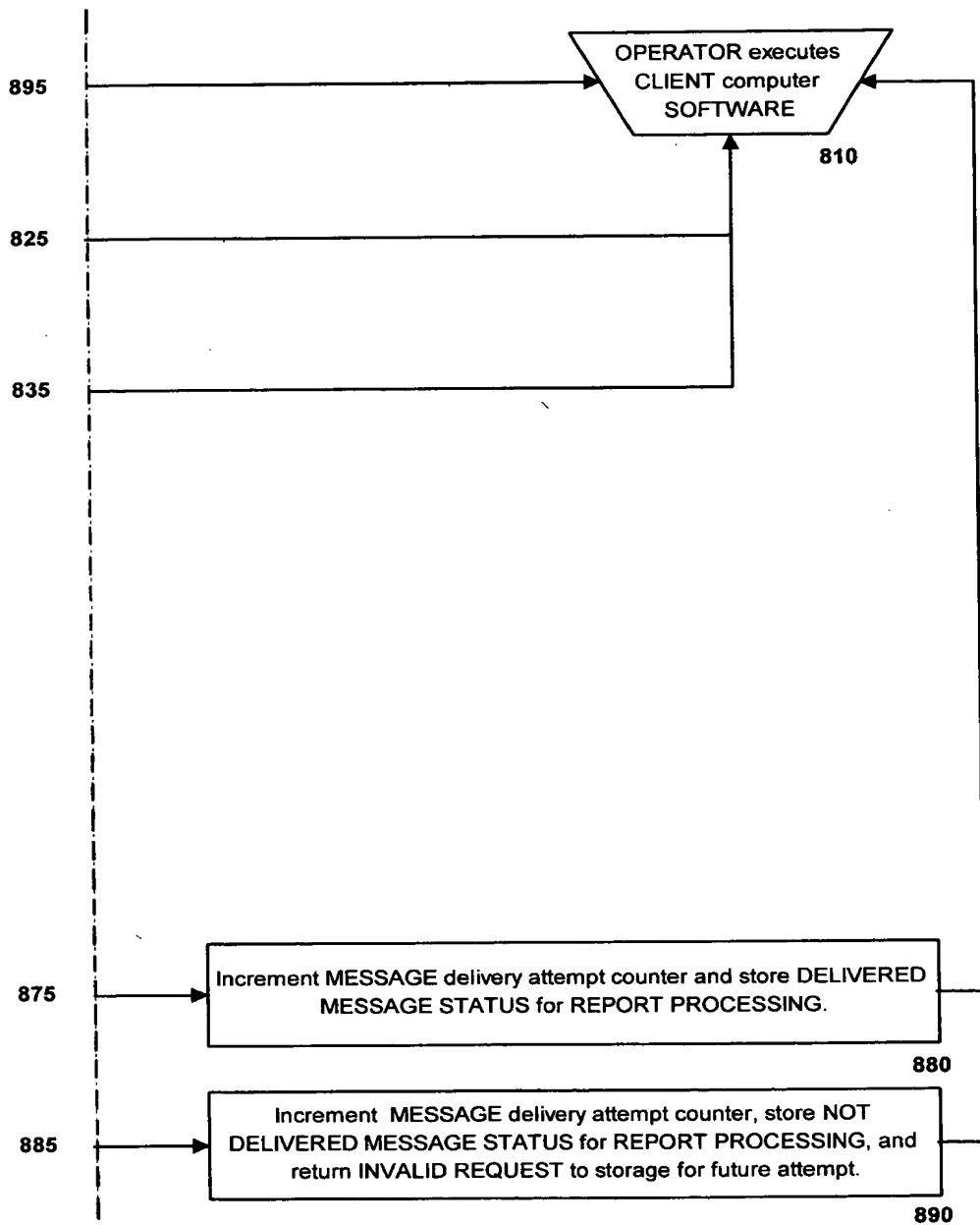




Figure 6a-2





## Figure 6b

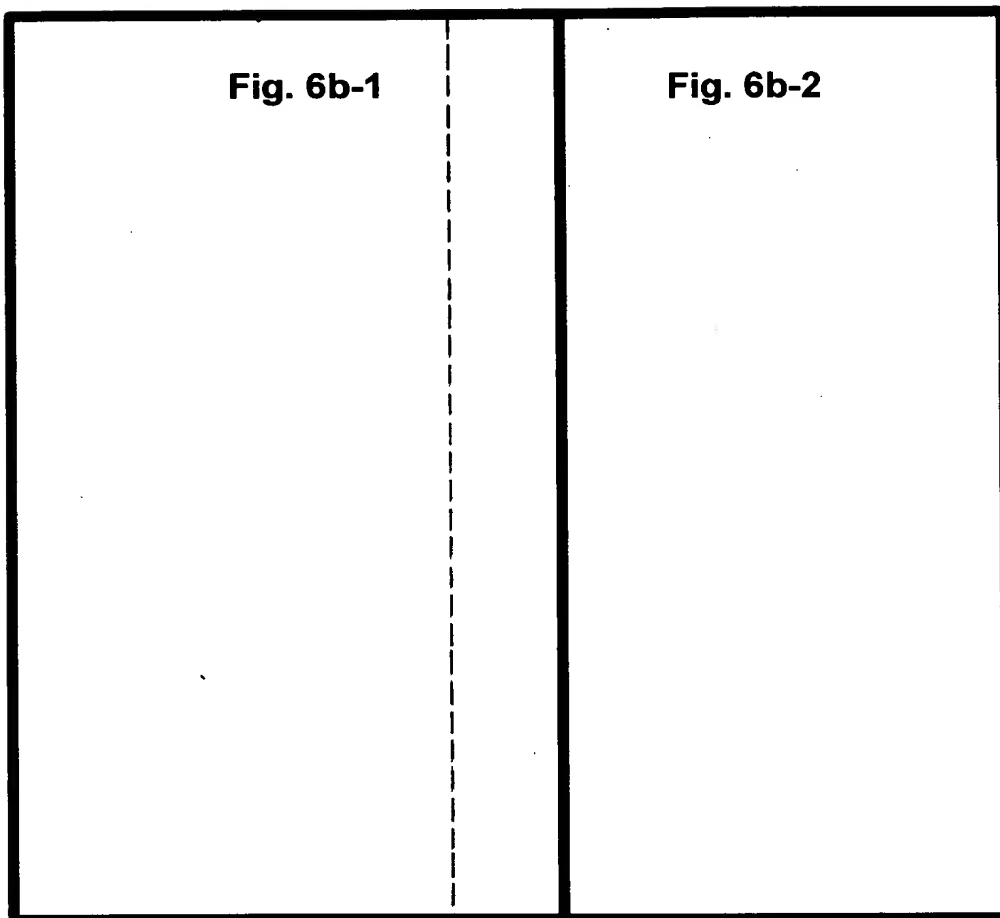






Figure 6b-1

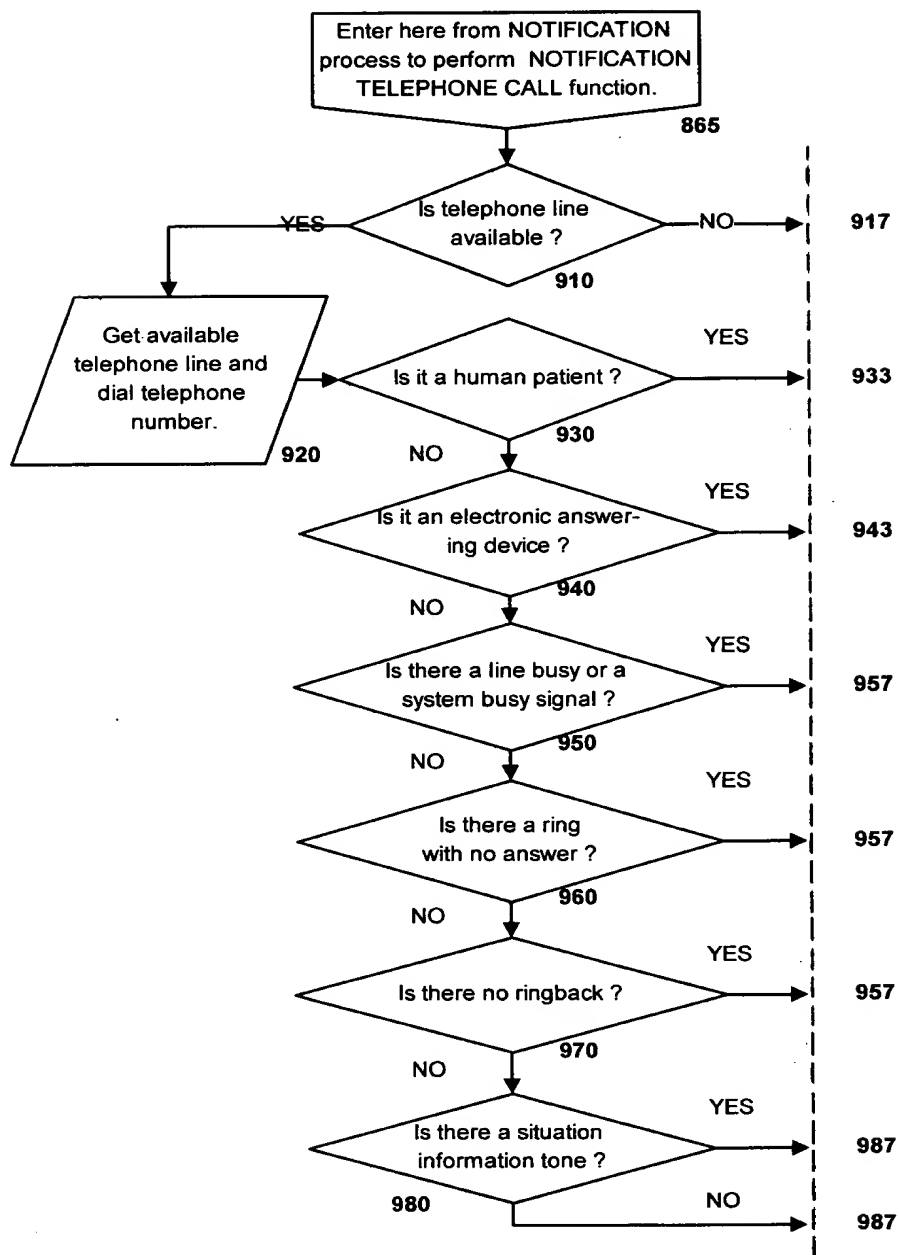
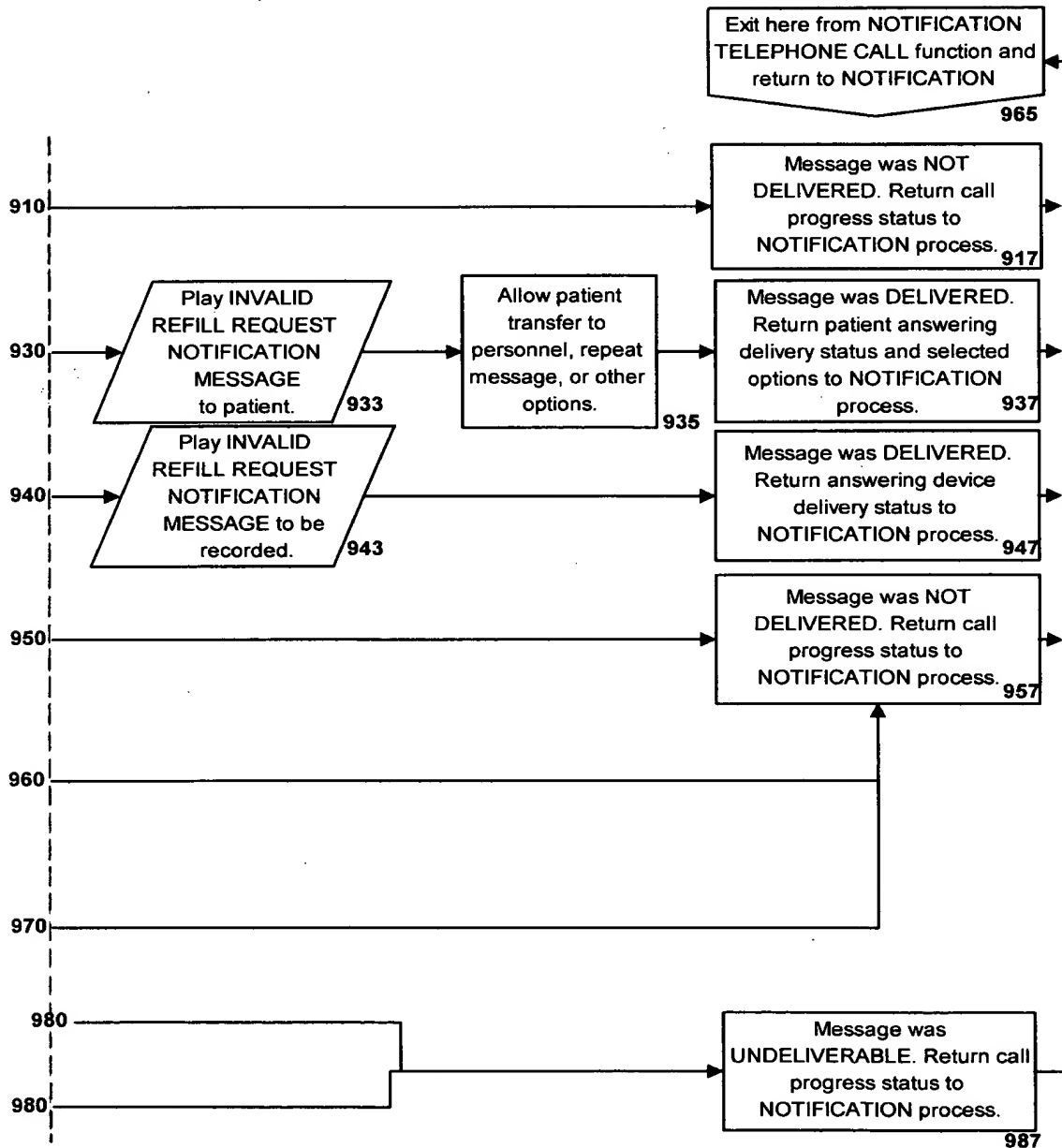




Figure 6b-2





**Figure 7a**

**CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS**

*ISSUING* HOST ON command by OPERATOR.

*EXECUTING* SOFTWARE on CLIENT computer.

*WAITING* for incoming telephone call

0 *IF* INCOMING CALL available

0 *THEN*

*ANSWERING* incoming telephone call.

*PLAYING* options for services to caller.

*SELECTING* service option by caller.

*REQUESTING* prescription refill service by caller.

*ASSESSING* status of ON-LINE COMMUNICATIONS with HOST computer.

*CAPTURING REQUESTS* from caller

1 *IF* ON-LINE COMMUNICATIONS available

1 *THEN*

*CAPTURE* REQUEST from caller.

*VALIDATE* REQUEST on HOST computer.

2 *IF* REQUEST is VALID

2 *THEN*

*STORE* VALID REQUEST for  
DISPENSE PROCESSING.

*INFORM* caller of VALIDATED status.

2 *ELSE*

2 *IF* REQUEST is NOT VALID

2 *THEN*

*INFORM* caller of VALIDATED status.

1 *ELSE*

1 *IF* ON-LINE COMMUNICATIONS are not available

1 *THEN*

*CAPTURE* REQUEST from caller.

*STORE* REQUEST for VALIDATION PROCESSING.

*INFORM* caller of UNVALIDATED status.

(continued on figure 7b)



## Figure 7b

### CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS

(continued from figure 7a)

ASK caller if another REQUEST is desired.

1 IF Another REQUEST is desired

1 THEN

Go to "CAPTURING REQUESTS from caller"

1 ELSE

End telephone call.

Go to "WAITING for incoming telephone call"

0 ELSE

Go to "WAITING for incoming telephone call"



## Figure 8

### CLIENT COMPUTER CONFIGURED FOR OFF-LINE COMMUNICATIONS

*ISSUING* HOST OFF command by OPERATOR.

*EXECUTING* SOFTWARE on CLIENT computer.

*WAITING* for incoming telephone call

0 *IF* INCOMING CALL available

0 *THEN*

*ANSWERING* incoming telephone call.

*PLAYING* options for services to caller.

*SELECTING* service option by caller.

*REQUESTING* prescription refill service by caller.

*CAPTURING REQUESTS* from caller

*CAPTURE* REQUEST from caller.

*STORE* REQUEST for VALIDATION PROCESSING.

*INFORM* caller of UNVALIDATED status.

*ASK* caller if another REQUEST is desired.

1 *IF* Another REQUEST is desired

1 *THEN*

Go to "*CAPTURING REQUESTS* from caller"

1 *ELSE*

End telephone call.

Go to "*WAITING* for incoming telephone call"

0 *ELSE*

Go to "*WAITING* for incoming telephone call"



**Figure 9a**

**CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS WITH  
AUTOMATIC VALIDATION AND NOTIFICATION PROCESSING**

*ISSUING* HOST ON command by OPERATOR.

*EXECUTING* SOFTWARE on CLIENT computer.

*WAITING* for incoming telephone call

0 *IF* INCOMING CALL available

0 *THEN*

*ANSWERING* incoming telephone call.

*PLAYING* options for services to caller.

*SELECTING* service option by caller.

*REQUESTING* prescription refill service by caller.

*ASSESSING* status of ON-LINE COMMUNICATIONS with HOST  
computer.

*CAPTURING REQUESTS* from caller

1 *IF* ON-LINE COMMUNICATIONS available

1 *THEN*

*CAPTURE REQUEST* from caller.

*PREPARE REQUEST* for INQUIRY TRANSACTION.

*VALIDATE REQUEST* on HOST computer.

2 *IF* REQUEST is VALID

2 *THEN*

*STORE VALID REQUEST* for DISPENSE  
PROCESSING.

*INFORM* caller of VALIDATED status.

2 *ELSE*

2 *IF* REQUEST is NOT VALID

2 *THEN*

*INFORM* caller of VALIDATED status.

1 *ELSE*

(continued on figure 9b)



## Figure 9b

### CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS WITH AUTOMATIC VALIDATION PROCESSING

(continued from figure 9a)

1 IF ON-LINE COMMUNICATIONS are not available  
1 THEN

CAPTURE REQUEST from caller.  
STORE REQUEST for VALIDATION  
PROCESSING.  
INFORM caller of UNVALIDATED status.

ASK caller if another REQUEST is desired.

1 IF Another REQUEST is desired  
1 THEN

Go to "CAPTURING REQUESTS from caller"

1 ELSE

End telephone call.

0 ELSE

End telephone call.

### TESTING for UNVALIDATED REQUESTS in need of VALIDATION PROCESSING.

0 IF A REQUEST exists

0 THEN

ACCESSING status of ON-LINE COMMUNICATIONS with  
HOST computer.

1 IF ON-LINE COMMUNICATIONS available

1 THEN

RETRIEVE REQUEST from storage.  
PREPARE REQUEST for INQUIRY TRANSACTION.  
VALIDATE REQUEST on HOST computer.

(continued on figure 9c)



**Figure 9c**

**CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS WITH  
AUTOMATIC VALIDATION PROCESSING**

(continued from figure 9b)

```
2 IF REQUEST is VALID
2 THEN
    STORE VALID REQUEST for
    DISPENSE PROCESSING.
2 ELSE
    STORE INVALID REQUEST for
    NOTIFICATION PROCESSING.
1 ELSE
1 IF ON-LINE COMMUNICATIONS are not available
1 THEN
    End VALIDATION PROCESSING.
0 ELSE
    End VALIDATION PROCESSING.
```

**TESTING for INVALID REQUESTS in need of NOTIFICATION  
PROCESSING.**

```
0 IF Notification time is within allowable calling time window
0 THEN
    1 IF A REQUEST exists
    1 THEN
        RETRIEVE INVALID REQUEST from storage.
        EXTRACT telephone number, VALIDATED status,
        original request time, and retry count from
        REQUEST.
        PERFORM NOTIFICATION telephone call with VALIDATED
        status informational MESSAGE.

    2 IF MESSAGE was DELIVERED
    2 THEN
        INCREMENT message delivery attempt counter.
        STORE message DELIVERED status for
        REPORT PROCESSING.
    2 ELSE
```

(continued on figure 9d)





## Figure 9d

### CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS WITH AUTOMATIC VALIDATION PROCESSING

(continued from figure 9c)

2 IF MESSAGE is DELIVERABLE

2 THEN

INCREMENT message delivery attempt counter.

STORE message NOT DELIVERED status for  
future NOTIFICATION PROCESSING.

2 ELSE

INCREMENT message delivery attempt counter.

STORE message NOT DELIVERABLE status for  
REPORT PROCESSING.

1 ELSE

End NOTIFICATION PROCESSING.

0 ELSE

End NOTIFICATION PROCESSING.



**Figure 10**

**CLIENT COMPUTER CONFIGURED FOR ON-LINE COMMUNICATIONS WITH  
USING MANUAL VALIDATION PROCESSING**

*ISSUING* HOST ON command by OPERATOR.

*EXECUTING* VALIDATE command on CLIENT computer.

**TESTING for REQUESTS in need of VALIDATION PROCESSING**

0 IF A REQUEST exists

0 THEN

ACCESSING status of ON-LINE COMMUNICATIONS with  
HOST computer.

1 IF ON-LINE COMMUNICATIONS available

1 THEN

RETRIEVE REQUEST from storage.

PREPARE REQUEST for INQUIRY TRANSACTION.

VALIDATE REQUEST on HOST computer.

2 IF REQUEST is VALID

2 THEN

STORE VALID REQUEST for  
DISPENSE PROCESSING.

2 ELSE

2 IF REQUEST is NOT VALID

2 THEN

STORE INVALID REQUEST for  
NOTIFICATION PROCESSING.

1 ELSE

1 IF ON-LINE COMMUNICATIONS are not available

1 THEN

Go to "TESTING for REQUESTS in need of  
VALIDATION PROCESSING".

0 ELSE

Go to "TESTING for REQUESTS in need of VALIDATION  
PROCESSING".

*EXECUTING* SOFTWARE on CLIENT computer.